

Message Text

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INFO OCT-01 IO-14 ISO-00 SCI-06 COA-02 NSF-04 DODE-00

CIAE-00 PM-07 INR-10 L-03 NSAE-00 PA-04 RSC-01 PRS-01

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INFO ALL NATO CAPITALS 4042

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AMCONGEN STRASBOURG

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E.O. 11652: NA

TAGS: TGEN, NATO

SUBJECT: NATO SCIENCE- SCIENCE COMMITTEE MEETING AT NATO,
MAY 27, 1974

REF: STATE 106025 (NOTAL)

SUMMARY: NATO SCIENCE COMMITTEE (SC) MET MAY 27 AT
NATO HEADQUARTERS, AND MOVED RAPIDLY THROUGH NON-CONTROVERSIAL
AGENDA. BUDGET PROPOSAL APPROVED. DETAILS OF SESSION GIVEN
BELOW. NEXT MEETING SCHEDULED FOR OTTAWA SEPTEMBER 24-26,
FOR WHICH US REP TO SC RECOMMENDS ESPECIALLY GOOD US TURNOUT.
END SUMMARY.

1. IN OPENING REMARKS CHAIRMAN OZDAS PROPOSED THAT SC
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INSTITUTE A "TOUR D'HORIZON" DURING AT LEAST ONE OF ITS
MEETINGS EACH YEAR. THIS WOULD NOT BE STRUCTURED
SCIENTIFIC SEMINALR, BUT RATHER AN INFORMAL LOOK AT
SIGNIFICANT SCIENTIFIC DEVELOPMENTS IN RESEARCH FIELDS

AS WELL AS IN HIGHER EDUCATION, FOCUSING PERHAPS ON SPECIFIC, AGREED TOPIC. SUCH DISCUSSION COULD BE USEFUL TO SC NOT ONLY AS EXCHANGE OF CURRENT IDEAS AND INFORMATION BUT AS MEANS OF IDENTIFYING POSSIBLE SUBJECTS FOR FUTURE SC CONFERENCES AND OTHER PROGRAM ACTIVITIES. SC SUPPORTED PROPOSAL. FIRST "TOUR D'HORIZON" WILL BE HELD AT FEBRUARY 1975 SC MEETING.

2. CHAIRMAN HIGHLIGHTED NEED TO IMPROVE INFORMATION DISSEMINATION AND PUBLICITY ABOUT NATO SCIENCE PROGRAM. THERE IS INSUFFICIENT AWARENESS AMONG GENERAL PUBLIC AND EVEN SCIENTIFIC COMMUNITY OF NATO SCIENCE ACTIVITIES AND PARTICULARLY OF NATO'S SPONSORSHIP AND SUPPORT. SC MEMBERS GENERALLY AGREED, NOTING THAT PROBLEM NOT UNIQUE TO NATO BUT TRUE TO SOME DEGREE OF MOST SOURCES OF SCIENTIFIC FUNDING. DANISH REP (YENSEN) OBSERVED THAT RECENT CENTRALIZATION OF DENMARK'S SCIENTIFIC RESEARCH FUNDING ACTIVITY INTO ONE GOVERNMENT BODY WOULD FACILITATE MORE EFFECTIVE INFORMATION DISSEMINATION BY THAT ORGANIZATION WITH RESPECT TO CHARACTER OF NATO PROGRAM, AMONG OTHERS, AND THE OPPORTUNITIES PROVIDED. OZDAS REQUESTED THAT NATIONAL RESEARCH COUNCILS AND SIMILAR INSTITUTIONS IN OTHER ALLIED COUNTRIES (E.G. NATIONAL SCIENCE FOUNDATION IN US) LIKEWISE ASSIST FURTHER IN PUBLICISING NATO SCIENCE PROGRAM.

3. OZDAS BRIEFED SC ON CCMS DEVELOPMENTS, NOTABLY RECENT INAUGURATION OF NEW US-LED ENERGY CONSERVATION PILOT STUDY (WHICH COMPLEMENTS ONGOING CCMS WORK ON SOLAR AND GEOTHERMAL ALTERNATE ENERGY SOURCES) AND APPROVAL BY CCMS OF AIR POLLUTION AND ROAD SAFETY PILOT STUDY FINAL REPORTS. IN RESPONSE TO BELGIAN QUESTION AS TO WHAT ENSUES AFTER CCMS PILOT STUDIES ARE CONCLUDED, OZDAS DESCRIBED CCMS FOLLOW-UP PHASE AS "FEEDBACK LOOP" DESIGNED TO PROMOTE ALLIED IMPLEMENTATION OF POLICY COMMITMENT MADE IN APPROVING CCMS RECOMMENDATIONS AND TO EVALUATE THE RESULTS OBTAINED. SC MEMBERS WERE UNCLASSIFIED

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PROVIDED WITH COPIES OF CCMS DOCUMENTATION MENTIONED, PLUS PROSPECTUS FOR CCMS FELLOWSHIP PROGRAM.

4. ADVANCED STUDY INSTITUTES (ASI'S) (AC/137-D/542) ASI'S CONTINUED TO RECEIVE STRONG SC SUPPORT AS ONE OF THE MOST SUCCESSFUL FEATURES OF THE SCIENCE PROGRAM. SC FAVORED ASI DURATION OF AT LEAST TWO WEEKS, WITH LECTURERS ENCOURAGED TO REMAIN FOR FULL PROGRAM. SC SUPPORTED SELECTION OF ASI LECTURERS PRIMARILY ON SCIENTIFIC (NOT NECESSARILY GEOGRAPHIC) GROUNDS, BUT A GOOD GEOGRAPHIC DISTRIBUTION OF STUDENT PARTICIPANTS. SC EMPHASIZED IMPORTANCE OF MAINTAINING PROPER ASI BALANCE OF TUTORIAL ACTIVITY WITH ADVANCED RESEARCH

DISCUSSION AMING SPECIALIST ATTENDEES. SC REJECTED
IDEA OF IMPOSING MORE RIGID FORMAT ON ASI'S, BUT
AGREED THAT ASI'S SHOULD ADHERE TO CERTAIN FLEXIBLE
GUIDELINES SET BY SC. TO THAT END, UK REP (EDWARD)
SUGGESTED THAT SECRETARIAT RE-EXAMINE ASI TERMS OF REFERENCE
FOR SC CONSIDERATION AT NEXT MEETING.

5. BUDGET (A) PROPOSED 1974 SCIENCE PROGRAM BUDGET
(AC/137-D/540) APPROVED BY SC, "FROM SCIENTIFIC POINT OF VIEW/
(AS OZDAS DESCRIBED SC ACTION) EXPRESSED BY BELGIUM, CANADA,
DENMARK, FRG, FRANCE, NETHERLAND, NORWAY, PORTUGAL, TURKEY,
UK AND US . IN ADDITION BELGIAN (CERULUS), DANISH (JENSEN)
AND TURKISH (OZERMRE) REPS INDICATED THEY PREPARED TO SUPPORT
INFLATIONARY INCREASE FOR SCIENCE PROGRAM EVEN
BEYOND 11.6 PER CENT PROPOSED IN REF DOCUMENT, WHICH THEY FOUND
UNREALISTICALLY LOW IN VIEW ACTUAL UNFLATIONARY RATES, IN
ORDER ENSURE MAINTENANCE OF PROGRAM AT CONSTANT LEVEL OF ACTIVITY
AND QUALITY. BELGIAN REP SUGGESTED ROUNDING OFF 1975 INFLATIONARY
INCREASE IN BUDGET AT 12 PER CENT. BELGIAN SUGGESTION DREW
GENERAL SC APPROVAL. UK REP NOTED THAT HMG'S OVERALL CIVIL
SCIENCE FUNDING FOR THIS YEAR AND POSSIBLY NEXT HAD
BEEN SEVERELY CUT; HENCE UK COULD NOT SUPPORT ANY
SIGNIFICANT SC PROGRAM INCREASES; HOWEVER, HE COULD
JOIN IN GENERAL SC SUPPORT FOR 12 PER CENT INFLATIONARY INCREASE
SUGGESTED BY BELGIUM. US REP (RABI) STATED
THAT US DESIRE TO SEE NO DIMINUTION OF EXTENT OR
EFFECTIVENESS OF NATO SCIENCE PROGRAM AND COULD JOIN
CONSENSUS IN FAVOR OF BELGIAN SUGGESTION, NOTING THAT
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BUDGET AS APPROVED BY SC ON SCIENTIFIC GROUNDS,
INCLUDING INFLATIONARY PERCENTAGE NECESSARY TO MAINTAIN
PROGRAM AT CONSTANT LEVEL, WOULD OF COURSE STILL BE
SUBJECT TO CIVIL BUDGET COMMITTEE REVIEW.

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(B) SC ALSO APPROVED BUDGETARY PROPOSAL TO
CONTINUE FUNDING SCIENTIFIC CONSULTANT (AC/137-D/539).

6. RESEARCH GRANTS PROGRAM (AC/137-D/536)- SC NOTED
REPORT AND PARTICULARLY ENDORSED ONGOING EFFORT TO
REACH YOUNG SCIENTISTS WITH INFORMATION ON PROGRAM.

7. SENIOR SCIENTISTS EXCHANGES (AC/137-D/536)- SC
NOTED REPORT. FRENCH REP (NEEL) RECOMMENDED GREATER SUPPORT
UNDER THIS PROGRAM FOR SCIENTISTS IN THEIR FIFTH
YEAR OF GRADUATE WORK- A CATEGORY PROVIDED FOR UNDER
PROGRAM'S TERMS OF REFERENCE. FRENCH REP WAS JOINED BY
UK REP IN COMMENTING THAT INCREASED
SUPPORT HAS BEEN MADE AVAILABLE FROM OTHER SOURCES IN
RECENT YEARS FOR OLDER RESEARCH WORKER CATEGORY.
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US REP ASKED FOR ADDITIONAL INFORMATION FROM
SCIENCE DIVISION WHICH WOULD ENABLE AN EVALUATION OF THIS
PROGRAM TO DETERMINE WHETHER IT STILL WARRANTS
PRIORITY TREATMENT BY SC. SCIENCE DIVISION STAFF MEMBER
DE LULLO AGREED TO PREPARE NECESSARY DATA AND
RECOMMENDATIONS ON PROGRAM FOR NEXT SC MEETING.

8. SPECIAL PROGRAM PANELS-

(A) HUMAN FACTORS (AC/137-D/537)- SC NOTED REPORT
AND SUPPORTED CHAIRMAN'S ACTION IN SUSPENDING TWO
GRANTS ON GROUNDS OF THEIR INSUFFICIENT PRIORITY FOR
SC.

(B) RADIOMETEOROLOGY (AC/137-D/532)- SC NOTED REPORT.

(C) MARINE SCIENCES (AC/137-D/541)- SC NOTED REPORT.

US REP DREW ON REFTEL TO POINT OUT POSSIBLE DUPLICATION
BY PANEL IN DATA HANDLING FIELD WITH WORK OF INTERNATIONAL
OCEANOGRAPHIC COMMISSION (IOC). TEMPORARY CHAIRMAN
KOVACH OBSERVED THAT PANEL MEMBERS WERE FAMILAR WITH
IOC ACTIVITIES AND THUS ABLE TO GUARD AGAINST REDUNDANCY.
SC AGREED ON NEED FOR COORDINATION SO AS TO AVOID
DUPLICATION OF EFFORT.

(D) AIR-SEA INTERACTION (AC/137-D/533)- SC NOTED REPORT.

K3) ECO-SCIENCES (AC/137-D/538)- FRENCH REP RECOMMENDED THAT A PROPOSED MEETING APPROVED BY ECO-SCIENCES PANEL ON SUBJECT TRANSPORTATION AND URBAN LIFE TAKE INTO ACCOUNT WORK OF CCMS ON URBAN TRANSPORTATION. TEMPORARY CHAIRMAN KOVACH COMMENTED THAT PROPOSED MEETING WOULD INQUIRE INTO SCIENTIFIC AND RESEARCH ASPECTS OF SUBJECT, BUT WOULD BE APPROPRIATELY COORDINATED WITH MORE ACTION - ORIENTED CCMS INITIATIVE.

(F) STRESS CORROSION CRACKING (AC/137-D/535)- SC NOTED REPORT.

(G) CHAIRMAN OZDAS STATED THAT ANNUAL REPORTS AND ORAL PRESENTATIONS TO SC BY SPECIAL PROGRAM PANEL CHAIRMEN WOULD BE MADE AT FEBRUARY 1975 SC MEETING, INSTEAD OF AT SEPTEMBER MEETING AS IS NORMALLY THE CUSTOM, IN ORDER TO ALLOW TIME ON SEPTEMBER AGENDA FOR SPECIAL FEATURES PLANNED BY CANADIANS FOR OTTAWA MEETING.

9. OTHER BUSINESS

(A) DEPUTY ASYG KOVACH REPORTED ON RECENT SC
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CONFERENCE IN CANADA ON "ECO-TOXICITY OF HEAVY METALS AND ORGANIC HALOGEN IN COMPOUNDS" IN CANADA, WHICH DREW 65 PARTICIPANTS FROM 13 COUNTRIES. RESULTS WILL BE PUBLISHED SHORTLY. KOVACH ALSO NOTED EXTRAORDINARY DEMAND FOR REPORT ON EARLIER SC CONFERENCE ON TECHNOLOGY OF EFFICIENT ENERGY UTILIZATION. SCIENCE DIVISION HAS SO FAR ISSUED 5,000 COPIES OF REPORT AND IS WORKING OUT REPRINT ARRANGEMENTS WITH COMMERCIAL PUBLISHER IN UK TO HANDLE FURTHER DEMAND.

(B) KOVACH REPORTED ON ACTIVITY OF AD HOC COMMITTEE ON MATERIALS, WHICH HAD BEEN SET UP FOLLOWING DISCUSSION OF FUTURE WORLD MATERIALS SUPPLY CONSTRAINTS AT SC MEETING LAST SPRING AT NATO. COMMITTEE IS CONDUCTING ITS OWN FEASIBILITY STUDY COVERING FIVE METALS AND WILL MEET AGAIN IN JULY TO EVALUATE RESULTS AND DECIDE ON FURTHER STEPS. AT THIS STAGE, AD HOC COMMITTEE MEMBERS INCLINED MORE TOWARD RECOMMENDING A LONGER TERM SC STUDY IN FIELD, RATHER THAN A SINGLE MAJOR CONFERENCE ON SUBJECT.

(C) KOVACH DREW ATTENTION TO SC'S BENTHIC BOUNDARY LAYER CONFERENCE PLANNED FOR FALL 1974 AND REQUESTED TOPIC SUGGESTIONS FOR SUBSEQUENT SC CONFERENCES, AS NONE ARE YET PLANNED FOR 1975. US REP PROPOSED CONSIDERATION OF FOLLOWING TOPICS:

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(1) COMPUTERS-SINCE PREVIOUS SC CONFERENCE
THIS SUBJECT IN 1968, DEVELOPMENTS IN FIELD HAVE
PROCEEDED SO RAPIDLY THAT ANOTHER COMPREHENSIVE ASSESSMENT
WOULD BE TIMELY. PERIPHERAL EQUIPMENT IS BECOMING
OBSOLETE AND TECHNOLOGY RECENTLY CONSIDERED
ADVANCE IS FAST BECOMING STANDARD. LOW COST AND
WIDELY AVAILABLE COMPUTER UNITS ARE BRINGING
TREMENDOUS CHANGES IN COMMUNICATION AND OTHER FIELDS,
WITH MORE DRIVE AND IMAGINATION BEING SHOWN IN INDUSTRIAL
THAN IN ACADEMIC AND INSTITUTIONAL SECTOR. SC CONFERENCE
SHOULD GO BEYOND STATE OF THE ART REVIEW AND SHOULD
EXAMINE NEAR TERM IMPLICATIONS OF NEW TECHNOLOGY.

(2) CLIMATOLOGY-DEVASTATING CLIMATIC CHANGES
IN CENTRAL AFRICA ARE ONLY MOST RECENT AND DRAMATIC
ILLUSTRATION OF NEED TO ASSESS WHAT IS KNOWN OF BASIC
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SCIENCE AND RELATED INSTRUMENTATION IN THIS FIELD.

(3) SOLAR ENERGY- SC CONFERENCE MIGHT EXAMINE
POTENTIALLY WIDER CAPABILITIES OF PHOTO EMISSIONS/
PHOTO CONVERSION TECHNIQUES IN THEI FIELD.

(4) BELGIAN REP SUGGESTED POSSIBLE SC CONFERENCE
ON KNOWN APPLICATIONS OF POWER LASER TECHNOLOGY. OZDAS NOTED
AGARD HAD SPONSORED A RECENT CONFERENCE ON
MILITARY APPLICATIONS OF LASER TECHNOLOGY. SOME DOUBT
WAS EXPRESSED WHETHER A FURTHER EXAMINATION OF THIS SUBJECT
MIGHT NOT RUN UP AGAINST RESISTANCE FROM
COUNTRIES ON CLASSIFIED OR PROPRIETARY GROUNDS.

(5) OZDAS SUGGESTED THAT ALL OF ABOVE SUGGESTED
CONFERENCE TOPICS BE DEVELOPED FURTHER FOR CONSIDERATION AT
SEPTEMBER SC MEETING.

(D) NEW PANEL MEMBERS-OZDAS REMINDED SC OF 1 AUGUST
DEADLINE FOR NOMINATION OF NEW PANEL MEMBERS.

10. NEXT MEETING - OZDAS REMINDED SC OF ITS FORTHCOMING
24-26 SEPTEMBER MEETING IN OTTAWA AND SAID THAT NEXT MEETING
THEREAFTER HAS BEEN SCHEDULED FOR 6-7 FEBRUARY
1975 AT NATO. CANADIAN REP (WHITEHEAD) ADVISED SC
THAT OTTAWA MEETING WILL BE HELD IN CHATEAU LAURIER HOTEL.
RATHER THAN CANADIAN NATIONAL CONFERENCE CENTER AS ORIGINALLY
PLANNED, AS CONFERENCE CENTER WILL BE IN USE BY A MINISTERIAL
MEETING AT TIME. HE REQUESTED EARLY RETURN OF QUESTIONNAIRE
CIRCULATED BY CANADIANS TO OBTAIN INFORMATION OF PROSPECTIVE SC
ATTENDEES. US REP COMMENT: CANADIAN AUTHORITIES ARE MAKING
ELABORATE PREPARATION FOR SEPTEMBER SC MEETING IN
OTTAWA AS DEPARTMENT AWARE. SPECIAL THREE MAN DELEGATION FROM
OTTAWA ATTENDED MAY 27-28 SC MEETING AT NATO TO DISCUSS DETAILS
AND PROMOTE GOOD ALLIED TURNOUT. IN VIEW US REP, IT WOULD BE
HIGHLY APPROPRIATE-AND OBVIOUSLY MUCH APPRECIATED BY
CANADIANS- FOR US TO BE PARTICULARLY WELL REPRESENTED AT
OTTAWA MEETING OF SC. RUMSFELD

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